

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1-30 (canceled)

31. (currently amended) An assay method for identifying a compound able to modulate the interaction between (i) ATM (Ataxia-telangiectasia mutated) or ATR (ATM-Rad3-related) and (ii) p53, the method including the steps of:

(a) bringing into contact (i) or a substance which includes at least a fragment of (i) which phosphorylates p53, a substance which includes at least p53 or a fragment of p53 which includes a site which is phosphorylated by (i), and a test compound; and

(b) determining phosphorylation at said site,

an increase or decrease in the phosphorylation at said site in the presence relative to the absence of test compound being indicative that the compound is able to modulate the interaction between (i) ATM or ATR and (ii) p53.

32-33. (canceled)

34. (currently amended) The method according to claim 31, wherein said compound is able to modulate phosphorylation of p53 by ATM or ATR interaction between ATM and p53.

35. (canceled)